

To: Magnuson, Matthew[Magnuson.Matthew@epa.gov]; Hedrick, Elizabeth[Hedrick.Elizabeth@epa.gov]; Szabo, Jeff[Szabo.Jeff@epa.gov]; Murray, Regan[Murray.Regan@epa.gov]; Lytle, Darren[Lytle.Darren@epa.gov]; Haxton, Terra[Haxton.Terra@epa.gov]
Cc: Sayles, Gregory[Sayles.Gregory@epa.gov]; Lindquist, Alan[Lindquist.Alan@epa.gov]; binetti, victoria[binetti.victoria@epa.gov]
From: Allgeier, Steve
Sent: Fri 2/21/2014 10:04:15 PM
Subject: RE: Request for review - Briefing Document on the Evaluation of Chemical interactions with Pipes Deliberative - not to be released outside the Agency - [Premise Plumbing Materials.docx](#)

All,

Vicky tracked down information about the materials that can be used in premise plumbing (see attached). I think this information will be useful to consider during review of the American Water paper.

If you open the attachment, you'll see that the list is long - in short, any plumbing material that meets the pressure requirements and is NSF 61 certified can be used in premise plumbing. Of

Ex. 5 - Deliberative

Thanks,
Steve

From: Magnuson, Matthew
Sent: Thursday, February 20, 2014 5:53 PM
To: Allgeier, Steve; Hedrick, Elizabeth; Szabo, Jeff; Murray, Regan; Lytle, Darren; Haxton, Terra
Cc: Sayles, Gregory; Lindquist, Alan
Subject: RE: Request for review - Briefing Document on the Evaluation of Chemical interactions with Pipes Deliberative - not to be released outside the Agency -

All,

Ex. 5 - Deliberative

I'm not in tomorrow, Friday, but Regan and Terra are and can provide more details.

Thanks.

Matthew

From: Arguto, William

Sent: Thursday, February 20, 2014 4:37 PM

To: Allgeier, Steve; Hedrick, Elizabeth; Magnuson, Matthew; Szabo, Jeff; Murray, Regan; Lytle, Darren

Cc: binetti, victoria; Wisniewski, Patti-Kay; Caporale, Cynthia

Subject: Request for review - Briefing Document on the Evaluation of Chemical interactions with Pipes
Deliberative - not to be released outside the Agency -

Importance: High

Request for review

In response to the Elk river spill of MCHM from the Freedom Industries site, the West Virginia American Water Treatment plant (Elk River Regional System) took several steps to learn more about the chemical released and the ability of the water treatment plant to remove the chemical. It was decided, in consultation with State, that the system issue a "do not use order". West Virginia American decided to keep the system running with the do not use order in place because of several factors, which are not detailed here. The primary approach was to remove the chemical from the distribution system and houses through an extensive flushing program. Essentially remove the chemical as quickly as possible. The flushing program in the distribution system was successful in reaching a non detect level of 10 ppb. The spill was notified on Jan 9 and the flushing system achieved a non detect throughout the distribution system on Jan 18. Approx 2200 samples have been collected. However chemical odors persist in premise piping.

The Elk River system services approx 300,000 people and has 179 pressure zones, 1,900 miles of pipe and more than 100 storage tanks.

Several agencies have been working in support of requests from the state, who has been the lead in the response to this spill and many of you on this email request have helped in providing technical support.

Ex. 5 - Deliberative

Please see the attached file.

Ex. 5 - Deliberative

Please note that the briefing document is deliberative and not to be released outside the Agency

Thank you for your consideration in the review of this briefing document

Bill Arguto
U.S. EPA Region 3
Drinking Water Branch Chief